



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5572-1
Job Sheet 186504



Part No: D5572-1

Job Qty: 6 pcs

Part Name: Base Bracket, Lower, Cable Cutter, LH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/16/18

Job Tracking No:

Due Date: 1/11/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: TBD DWG D5572-1 REV:A IPP REV A 18.02.05 NEW ISSUE RQ VERIFIED BY DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	HAAS 4 Axis	6 pcs	1/11/19		0.00	1.80	HAAS - 1	DAS	1/12/18
							HAAS - 2	52	
							HAAS - 3	9-89	
							HAAS - 4		
120	QC 2	6 pcs	1/11/19		0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 38		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 54		
							QC 2 - 56		
							QC 2 - 57		



Container No: S154510



Part: D5572-1

Job No: 186504

Serial No/Batch: S154510

Revision: A

Inspector:

Exp Date:

Instructions: Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 02/19/19

				QC 2 - 62	
				QC 2 - 63	
				QC 2 - 8	
130	QC 8	6 pcs	1/11/19	0.00 0.00	QC 8 - 12
					QC 8 - 14
					QC 8 - 17
					QC 8 - 20
					QC 8 - 25
					QC 8 - 3
					QC 8 - 32
					QC 8 - 33
					QC 8 - 35
					QC 8 - 38
					QC 8 - 39
					QC 8 - 4
					QC 8 - 44
					QC 8 - 45
					QC 8 - 49
					QC 8 - 58
					QC 8 - 8
					QC 8 - 9
					QC 8 - 68
					QC 8 - 67
					QC 8 - 1 (A)
135	Outsource - 4 - Anodize	6 pcs	1/11/19		ATG001-VC 8
140	Packaging 2-1 - Receive - B4B	6 pcs	1/11/19	0.00 0.00	Packaging 2 - 1 - B4B
					Packaging 2 - 2 - B4B
					Packaging 2 - 3 - B4B
					Packaging 2 - 5 - B4B
					Packaging 2 - 4 - B4B
					Packaging 2 - 6 - B4B
					Packaging 2 - 7 - B4B
					Packaging 2 - 8 - B4B
					Packaging 2 - 9 - B4B
					Packaging 2 - 10 - B4B
					Packaging 2 - 11 - B4B
					Packaging 2 - 12 - B4B
					Packaging 2 - 13 - B4B
					Packaging 2 - 14 - B4B
					Packaging 2 - 15 - B4B
					Packaging 2 - 16 - B4B
					Packaging 2 - 17 - B4B
					Packaging 2 - 18 - B4B
					Packaging 2 - 19 - B4B
					Packaging 2 - 20 - B4B
					Packaging 2 - 21 - B4B
					Packaging 2 - 22 - B4B
					Packaging 2 - 23 - B4B
					Packaging 2 - 24 - B4B
					Packaging 2 - 25 - B4B
					Packaging 2 - 26 - B4B
					Packaging 2 - 27 - B4B
					Packaging 2 - 28 - B4B
					Packaging 2 - 29 - B4B
					Packaging 2 - 30 - B4B
					Packaging 2 - 31 - B4B
					Packaging 2 - 32 - B4B
					Packaging 2 - 33 - B4B
					Packaging 2 - 34 - B4B

B. 19-02-23

C 19-02-26

MAR 11 2019

145 QC 6	6 pcs	1/11/19	0.00 0.00	Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
				QC 6 - 38	
				QC 6 - 42	
				QC 6 - 9	DAS
				QC 6 - 68	MAR 11 2019 68
180 Packaging 3-1 - Stock - B4B	6 pcs	1/11/19	0.00 0.00	QC 6 - 61	9-89
				Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	STOCK 130
				Packaging 3 - 28 - B4B	ST MAR 11 2019
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	DAS
190 QC 21 - SA	6 pcs	1/11/19	0.00 0.00	QC 21 - SA - 21	21
				QC 21 - SA - 70	9-89

Part Op 110 - (HAAS CNC Vertical Machine) 1-Machine per folio FB767 DWG REV: _____ FOLIO REV: _____ MAR 11 2019

Descriptions: deburr and break all sharp edges

120 - (QC2- Inspect parts off machine FAI/FAIB) QC2- Inspect parts off machine FAI/FAIB

130 - QC8- Inspect parts - second check

135 - Issue P/O to ATG : _____ Black Anodize & Prime as per Dwg. D5572 Certification of Conformity is required.

140 - (Receive & Inspect for Damage & Mat'l Certs) Certification of Conformity is required.

145 - (QC6- All purchased or subcontracted products)

180 - (Identify as per dwg & Stock Location: _____) Identify as per dwg & Stock Location: _____

190 - QC21- Final Inspection - Work Order Release

7.450

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6S1.750X3.000	7075-T6 Sheet 1.750" X 3.000"	3.6000 ft (-6 ea)	110-HAAS 4 Axis	5138/14

3.729ft (.6215 ea)

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-HAAS 4 Axis	M7075T6S1.750X3.000	4	26	0
Part Specifications				
Specifications could not be found.				

Plex 1/22/19 1:03 PM Dart.Hadley.Shannon



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D5572-1

Job Sheet 186504



Part No: D5572-1

Job Qty: 6 ea

Part Name: Base Bracket, Lower, Cable Cutter, LH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/16/18

Job Tracking No:

Due Date: 1/11/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: TBD DWG D5572-1 REV:A IPP REV A 18.02.05 NEW ISSUE RQ VERIFIED BY DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	6 Ea		1/11/19	0.00	0.00	Start Up Machining-1		
110	CNC Vertical Machining	6 pcs		1/11/19	0.00	1.80	HAAS1-1		
120	QC	6 pcs		1/11/19	0.00	0.00	QC2 Machining-1		
130	QC	6 pcs		1/11/19	0.00	0.00	QC8 Machining-1		
135	Outsource	6 pcs		1/11/19			ATG001-VC	8	
140	Packaging	6 pcs		1/11/19	0.00	0.00	Packaging2		
145	QC	6 pcs		1/11/19	0.00	0.00	QC6		
180	Packaging	6 pcs		1/11/19	0.00	0.00	Packaging3-1		
190	QC21-SA	6 Ea		1/11/19	0.00	0.00	QC21		

Part Op 110 - 1-Machine per folio FB767 DWG REV: _____ FOLIO REV: _____ 2- deburr and break all sharp edges
Descriptions: 120 - QC2- Inspect parts off machine FAI/FAIB
130 - QC8- Inspect parts - second check
135 - Issue P/O to ATG : _____ Black Anodize & Prime as per Dwg. D5572 Certification of Conformity is required.
140 - Certification of Conformity is required.
180 - Identify as per dwg & Stock Location: _____
190 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6S1.750X3.000	7075-T6 Sheet 1.750" X 3.000"	3.6000 ft (.6 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M7075T6S1.750X3.000	4	7	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

DART AEROSPACE LTD		Work Order:	186504
Description:		Part Number:	DJ721
Inspection Dwg:	Rev:	Page 1 of 1	

INSPECTION SHEET

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
7.25	±.030	7.248	✓		Vern.	
6.309	±.010	6.307	✓		Vern.	
2.325	±.010	2.326	✓		Vern.	
2.80	±.030	2.803	✓		Vern.	
2.400	±.005	2.400	✓		Vern.	
1.200	±.005	1.200	✓		Vern.	
2.031	±.005	2.031	✓		Vern.	
0.38	±.030	0.376	✓		Vern.	
0.547	±.010	0.550	✓		Vern.	
0.250	±.010	0.249	✓		Vern.	
2.75	±.030	2.750	✓		H.G.	
R.25	±.030	0.250	✓		R.G.	Rad.
R.13	±.030	0.130	✓		R.G.	Rad.
0.250	±.010	0.253	✓		Vern.	
0.94	±.030	0.940	✓		Vern.	
Ø 0.242	+1.005/-1.001	0.242	✓		G.P.	Ø
0.133	±.010	0.133	✓		D.G.	
Ø 0.669	±.010	0.668	✓		G.P.	C. Bore
R0.19	±.030	0.190	✓		R.G.	Rad.
Ø 0.170	+1.005/-1.001	0.170	✓		G.P.	Ø
0.100	±.010	0.105	✓		D.G.	
Ø 0.430	±.010	0.425	✓		G.P.	C. Bore

Measured by:	DJP	Checked by:	B.A.	QC Inspector:	
Date:	19-02-15	Date:	19-02-23	Date:	

Engineering Approval: (If necessary)		Date:	
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Rev	Date	Change	Revised by	Approved
A	14.07.31	New Issue	KJ	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO042712



Supplier: ATG001-VC
A.T.G. Industries Inc
760 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

PO No: PO042712
PO Date: 2/26/19
Due Date: 3/15/19
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Tsimiklis, Chrisoula

Attention: Lalande, Marc-Andre

Via: Ground
Pynt Terms: Net 30

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Freight Terms:
Special Comments:

* revised

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	190113	646.2910	Deflector (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Anodize, Color Black / Prime As per Dwg 646.2900 Rev. N/C	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$50.15/pcs	\$300.90
2	190994	647.3912	Breakaway Tip Wirestrike for Wire Strike Issue P/O to ATG : 1- Black Anodize as per Dwg 647.3900 2- PRIME AS PER DWG, SEE NOTE #9 Certification of Conformity is required	Firmed	-	3/15/19	2 pcs	0 pcs	2 pcs	\$13.60/pcs	\$27.20
	190364			Firmed	-	3/15/19	4 pcs	0 pcs	4 pcs	\$13.60/pcs	\$54.40
Sub Total:							6	0	6		\$81.60
3	189340	D4842-1	Lower Cutter Deflector Outsource process- Issue P/O to ATG : HARD ANODIZE COLOR BLACK, PRIME AS PER DWG D4842	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$14.20/pcs	\$85.20



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PURCHASE ORDER

PO042712



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	189787	D4842-4	Lower Cutter Body, RH Outsource process- Anodize per QSI017 4.1.10.1 - Issue P/O to ATG :	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$12.40/pcs	\$74.40
5	186504	D5572-1	Base Bracket, Lower, Cable Cutter, LH : Various STC's Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5572 Certification of Conformity is required.	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$10.95/pcs	\$65.70
6	186505	D5572-2	Base Bracket, Lower, Cable Cutter, RH : Various STC's Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5572 Certification of Conformity is required.	Firmed	-	3/15/19	6 pcs	0 pcs	6 pcs	\$10.95/pcs	\$65.70

DAS
68
9-89



Dart Aerospace Ltd.
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K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042712



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	190163	647.1710	Plate (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG: AS PER MPP-172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF-23377 TYPE 1 CLASS N Certification of Conformity is required	Firmed	-	3/15/19	11 pcs	0 pcs	11 pcs	\$32.40/pcs	\$356.40
MAR 05 2019											
Line Item Note asap											
8	189468	SWA6A-700	Wire Clamp (Outsource process-Anodize per QSI017 4.1.10.1) -Issue P/O to GROUPE ALTECH; PO -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Firmed	-	2/28/19	11 pcs	0 pcs	11 pcs	\$5.65/pcs	\$62.15
FEB 28 2019											



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Canada

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PURCHASE ORDER PO042712



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
9	188810	RBW109-3130-82-103-7	Small Housing -Issue P/O; -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Received	-	2/28/19	4 pcs	4 pcs	0 pcs	\$8.15/pcs	\$0.00
10	188814	RBW109-3130-82-105-13	Handle -Issue P/O; -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Received	-	2/28/19	8 pcs	8 pcs	0 pcs	\$8.15/pcs	\$0.00

Grand Total: \$1,092.05

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 917406

Date: 08-Mar-19

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
✓ 6 ea	Part: D4842-4 ✓ Lower Cutter Body, RH Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (.1 - 2 mils) per drawing. Job: 24702 PO: PO042712 ✓ Line: 4	Rev: B	
✓ 6 ea	Part: D5572-1 ✓ Base Bracket, Lower Cable LH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 24703 PO: PO042712 ✓ Line: 5	Rev: A	DAS 68 9-89
✓ 6 ea	Part: D5572-2 ✓ Base Bracket, Lower Cable RH Hard Black Anodize per MIL-A-8625F, Type II, Class 2, . Prime IAW Mil-P-23377 J Type I Class N; 1-2 mil max as per QSI 005 Job: 24704 PO: PO042712 ✓ Line: 6	Rev: A	
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>MAR 08 2019</u> Certified Signature: <u></u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt. Made in Canada.			